

1×8

$sm_0^1 = \vec{v}_0$	
$sm_4^1 = \vec{v}_4$	
$sm_2^1 = \vec{v}_2$	
$sm_6^1 = \vec{v}_6$	
$sm_1^1 = \vec{v}_1$	
$sm_5^1 = \vec{v}_5$	
$sm_3^1 = \vec{v}_3$	
$sm_7^1 = \vec{v}_7$	

 2×8

sm_0^2	$sm_0^1[0] + sm_4^1[0]$ $sm_0^1[0] + sm_4^1[4]$
sm_4^2	$sm_2^1[0] + sm_6^1[0]$ $sm_2^1[2] + sm_6^1[6]$
sm_2^2	$sm_1^1[0] + sm_5^1[0]$ $sm_1^1[1] + sm_5^1[5]$
sm_6^2	$sm_3^1[0] + sm_7^1[0]$ $sm_3^1[3] + sm_7^1[7]$

 4×8

sm_0^4	$sm_0^2[0] + sm_4^2[0]$ $sm_0^2[0] + sm_4^2[4]$
sm_4^4	$sm_2^2[0] + sm_4^2[6^2][0]$ $sm_2^2[2] + sm_6^2[6]$

 8×8

sm_0^8	$sm_0^4[0] + sm_4^4[0]$ $sm_0^2[0] + sm_4^2[4]$
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